

CONTINUED PROSECUTION APPLICATION (CPA)

REQUEST TRANSMITTAL (Large Entity)

Submit an original, and a duplicate for fee processing.

(Only for Continuation or Divisional Applications Under 37 CFR 1.53(d))

Docket No.

198-1226

☐ DUPLICATE (Check box if applicable)

First Named Inventor

Examiner

Group/Art Unit

G. Strumolo et al.

H. Jones

2123

Address to:

Assistant Commissioner for Patents

Box CPA

Washington, D.C. 20231

is a request for filing a ☒ continuation, or ☐ divisional application under 37 CFR 1.53(d), (continued prosecution application (CPA)) of prior application number 09/432,485 filed on November 1, 1999 and entitled:

PAINT SPRAY PARTICLE TRAJECTORY ANALYSIS METHOD AND SYSTEM

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1. ☐ Enter the unentered amendment previously filed on _____ under 37 CFR 1.116 in the prior nonprovisional application.
2. ☒ A preliminary amendment is enclosed.
3. ☐ This application is being filed by fewer than all the inventors named in the prior application, 37 CFR 1.53(d)(4).
- a. ☐ DELETE the following inventor(s) named in the prior nonprovisional application:

02/12/2003 MBERHE 00000133 061510 09432485

01 FC:1006 750.00 CH

- b. ☐ The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
4. ☐ A new power of attorney or authorization of agent is enclosed.
5. ☐ An Information Disclosure Statement (IDS) is enclosed:
- a. ☐ PTO-1449
- b. ☐ Copies of IDS Citations
6. ☒ The fee for this application is calculated as follows:

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	6	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	0	- 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$750.00
TOTAL FILING FEE					\$750.00

02/12/2003 MBERHE 00000131 061510 09432485

01 FC:1801 750.00 CH

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7. ☒ The Commissioner is hereby authorized to credit overpayments or charge the following fees to
Deposit Account No. **06-1510**

- ☒ fees required under 37 C.F.R. 1.16.
☒ fees required under 37 C.F.R. 1.17.
☐ fees required under 37 C.F.R. 1.18.

8. ☐ A check in the amount of _____ is enclosed.

9. ☒ Also enclosed:
return postcard.

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10. ☒ The prior application's correspondence address will carry over to this CPA UNLESS a new correspondence address is provided below:

Daniel H. Bliss
Bliss McGlynn, P.C.
2075 West Big Beaver Road, Suite 600
Troy, Michigan 48084
(248) 649-6090

CONTINUED PROSECUTION APPLICATION (CPA) REQUEST TRANSMITTAL (Large Entity)
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NOTES

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FILING QUALIFICATIONS: The prior application must be a nonprovisional application that is either: (1) complete as defined by 37 C.F.R. 1.51(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. A Notice will be placed on a patent issuing from a CPA, except for reissues and designs, to the effect that the patent issued on a CPA and is subject to the twenty-year patent term provisions of 35 USC 154(a)(2). Therefore, the prior application of a CPA may have been filed before, on or after June 8, 1995.

C-I-P NOT PERMITTED: A continuation-in-part application cannot be filed as a CPA under 37 C.F.R. 1.53(d), but must be filed under 37 C.F.R. 1.53(b).

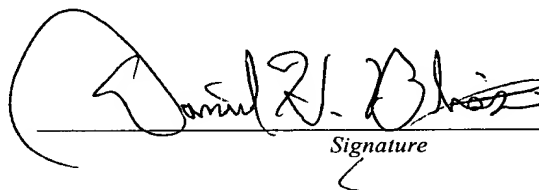
EXPRESS ABANDONMENT OF PRIOR APPLICATION: The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 C.F.R. 1.53(b) must be used to file a continuation, divisional or continuation-in-part of an application that is not to be abandoned.

ACCESS TO PRIOR APPLICATION: The filing of this CPA will be construed to include a waiver of confidentiality by the Applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 C.F.R. 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or application in the file jacket.

35 U.S.C. 120 STATEMENT: In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 C.F.R. 1.78(a).

Dated:

February 10, 2003



Signature

Daniel H. Bliss

Typed or printed name

32,398

Registration Number (if applicable)

- ☐ Inventor(s)
☐ Assignee of complete interest
☒ Attorney or agent of record

cc:



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit: 2123)
)
Examiner: H. Jones)
)
Applicant(s): G. Strumolo et al.)
)
Serial No.: 09/432,485)
)
Filing Date: November 1, 1999)
)
For: PAINT SPRAY PARTICLE TRAJECTORY)
ANALYSIS METHOD AND SYSTEM)
)

PRELIMINARY AMENDMENT

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Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to examination, please reconsider the claims in light of the subsequent arguments.

REMARKS

Claims 1 through 6 remain in the application.

Claims 1 through 6 were rejected under 35 U.S.C. § 102(b) as being anticipated by Miller et al. (SAE Paper No. 982291). Applicants respectfully traverse this rejection.

SAE Paper No. 982291 to Miller et al. discloses transient CFD simulations of a bell sprayer. Two numerical models are required in order to analyze the effect of paint transfer efficiency under varying bell operation conditions. First, the shaping air from a bell sprayer is simulated using a new computational fluid dynamics simulation, PowerFlow, as described in section 2.1. The numerical simulation is a single species, single-phase model and subsequently, paint spray dynamics and interaction with the shaping air must be modeled using a separate simulation. Section 2.2. describes SpraySIM which uses the flowfields from the CFD tool and